

Table ENG-1. - Construction Materials

Northumberland and Lancaster Counties, Virginia

The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.00 to 0.99. The greater the value, the greater the likelihood that the bottom layer or thickest layer of the soil is a source of sand or gravel.

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Gravel		Potential Source of Sand	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
BeA:					
Beltsville	85	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.00
		Thickest layer	0.00	Bottom layer	0.03
Kempsville	6	Not Rated		Not Rated	
Sassafras	6	Not Rated		Not Rated	
Caroline	3	Not Rated		Not Rated	
BeB:					
Beltsville	85	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.00
		Thickest layer	0.00	Bottom layer	0.03
Kempsville	6	Not Rated		Not Rated	
Sassafras	6	Not Rated		Not Rated	
Caroline	3	Not Rated		Not Rated	
BeB2:					
Beltsville	85	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.00
		Thickest layer	0.00	Bottom layer	0.03
Kempsville	6	Not Rated		Not Rated	
Sassafras	6	Not Rated		Not Rated	
Caroline	3	Not Rated		Not Rated	
Br:					
Bertie	85	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.03
		Thickest layer	0.00	Bottom layer	0.39
Fallsington	3	Not Rated		Not Rated	
Matapeake	3	Not Rated		Not Rated	
Othello	3	Not Rated		Not Rated	
Dragston	2	Not Rated		Not Rated	
Mattapex	2	Not Rated		Not Rated	

Table ENG-1. - Construction Materials - Continued

Northumberland and Lancaster Counties, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Gravel		Potential Source of Sand	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
Br:					
Woodstown	2	Not Rated		Not Rated	
Bt:					
Bladen	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Craven	5	Not Rated		Not Rated	
Elkton	5	Not Rated		Not Rated	
Lenoir	5	Not Rated		Not Rated	
CaC3:					
Caroline	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Beltsville	6	Not Rated		Not Rated	
Kempsville	6	Not Rated		Not Rated	
Sassafras	3	Not Rated		Not Rated	
CaD3:					
Caroline	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Beltsville	6	Not Rated		Not Rated	
Kempsville	6	Not Rated		Not Rated	
Sassafras	3	Not Rated		Not Rated	
CfB2:					
Caroline	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Beltsville	6	Not Rated		Not Rated	
Kempsville	6	Not Rated		Not Rated	
Sassafras	3	Not Rated		Not Rated	
CfC2:					
Caroline	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00

Table ENG-1. - Construction Materials - Continued

Northumberland and Lancaster Counties, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Gravel		Potential Source of Sand	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
CfC2:					
Beltsville	6	Not Rated		Not Rated	
Kempsville	6	Not Rated		Not Rated	
Sassafras	3	Not Rated		Not Rated	
Co:					
Coastal beach	100	Not Rated		Not Rated	
CrD3:					
Craven	85	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.00
		Thickest layer	0.00	Bottom layer	0.04
Bertie	4	Not Rated		Not Rated	
Elkton	4	Not Rated		Not Rated	
Mattapex	4	Not Rated		Not Rated	
Lenoir	3	Not Rated		Not Rated	
CsA:					
Craven	85	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.00
		Thickest layer	0.00	Bottom layer	0.04
Bertie	4	Not Rated		Not Rated	
Elkton	4	Not Rated		Not Rated	
Mattapex	4	Not Rated		Not Rated	
Lenoir	3	Not Rated		Not Rated	
CsB2:					
Craven	85	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.00
		Thickest layer	0.00	Bottom layer	0.04
Bertie	4	Not Rated		Not Rated	
Elkton	4	Not Rated		Not Rated	
Mattapex	4	Not Rated		Not Rated	
Lenoir	3	Not Rated		Not Rated	

CsC2:

Table ENG-1. - Construction Materials - Continued

Northumberland and Lancaster Counties, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Gravel		Potential Source of Sand	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
CsC2:					
Craven	85	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.00
		Thickest layer	0.00	Bottom layer	0.04
Bertie	4	Not Rated		Not Rated	
Elkton	4	Not Rated		Not Rated	
Mattapex	4	Not Rated		Not Rated	
Lenoir	3	Not Rated		Not Rated	
Dr:					
Dragston	85	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.09
		Thickest layer	0.00	Bottom layer	0.41
Mattapex	3	Not Rated		Not Rated	
Othello	3	Not Rated		Not Rated	
Woodstown	3	Not Rated		Not Rated	
Bertie	2	Not Rated		Not Rated	
Fallsington	2	Not Rated		Not Rated	
Sassafras	2	Not Rated		Not Rated	
Ek:					
Elkton	85	Poor		Good	
		Bottom layer	0.00	Thickest layer	0.00
		Thickest layer	0.00		
Bertie	4	Not Rated		Not Rated	
Lenoir	4	Not Rated		Not Rated	
Othello	4	Not Rated		Not Rated	
Craven	3	Not Rated		Not Rated	
Fa:					
Fallsington	85	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.05
		Thickest layer	0.00	Bottom layer	0.31
Bertie	4	Not Rated		Not Rated	
Othello	4	Not Rated		Not Rated	

Table ENG-1. - Construction Materials - Continued

Northumberland and Lancaster Counties, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Gravel		Potential Source of Sand	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
Fa:					
Woodstown	4	Not Rated		Not Rated	
Sassafras	3	Not Rated		Not Rated	
KeA:					
Kempsville	85	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.04
		Thickest layer	0.00	Bottom layer	0.10
Sassafras	5	Not Rated		Not Rated	
Beltsville	4	Not Rated		Not Rated	
Woodstown	4	Not Rated		Not Rated	
Sloping sandy land	1	Not Rated		Not Rated	
Steep sandy land	1	Not Rated		Not Rated	
KeB:					
Kempsville	85	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.04
		Thickest layer	0.00	Bottom layer	0.10
Sassafras	5	Not Rated		Not Rated	
Beltsville	4	Not Rated		Not Rated	
Woodstown	4	Not Rated		Not Rated	
Sloping sandy land	1	Not Rated		Not Rated	
Steep sandy land	1	Not Rated		Not Rated	
KeB2:					
Kempsville	85	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.04
		Thickest layer	0.00	Bottom layer	0.10
Sassafras	5	Not Rated		Not Rated	
Beltsville	4	Not Rated		Not Rated	
Woodstown	4	Not Rated		Not Rated	
Sloping sandy land	1	Not Rated		Not Rated	
Steep sandy land	1	Not Rated		Not Rated	

KeC2:

Table ENG-1. - Construction Materials - Continued

Northumberland and Lancaster Counties, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Gravel		Potential Source of Sand	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
KeC2:					
Kempsville	85	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.04
		Thickest layer	0.00	Bottom layer	0.10
Sassafras	5	Not Rated		Not Rated	
Beltsville	4	Not Rated		Not Rated	
Woodstown	4	Not Rated		Not Rated	
Sloping sandy land	1	Not Rated		Not Rated	
Steep sandy land	1	Not Rated		Not Rated	
KeC3:					
Kempsville	85	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.04
		Thickest layer	0.00	Bottom layer	0.10
Sassafras	5	Not Rated		Not Rated	
Beltsville	4	Not Rated		Not Rated	
Woodstown	4	Not Rated		Not Rated	
Sloping sandy land	1	Not Rated		Not Rated	
Steep sandy land	1	Not Rated		Not Rated	
LaB:					
Lakeland	85	Poor		Good	
		Bottom layer	0.00	Thickest layer	0.18
		Thickest layer	0.00		
Sassafras	8	Not Rated		Not Rated	
Woodstown	7	Not Rated		Not Rated	
Le:					
Lenoir	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Bertie	4	Not Rated		Not Rated	
Elkton	4	Not Rated		Not Rated	
Mattapex	4	Not Rated		Not Rated	
Craven	3	Not Rated		Not Rated	

Table ENG-1. - Construction Materials - Continued

Northumberland and Lancaster Counties, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Gravel		Potential Source of Sand	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
Lo:					
Local alluvial land	90	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Kempsville	5	Not Rated		Not Rated	
Sassafras	5	Not Rated		Not Rated	
MaA:					
Matapeake	85	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.00
		Thickest layer	0.00	Bottom layer	0.09
Bertie	3	Not Rated		Not Rated	
Mattapex	3	Not Rated		Not Rated	
Othello	3	Not Rated		Not Rated	
Sassafras	3	Not Rated		Not Rated	
Woodstown	3	Not Rated		Not Rated	
MaB:					
Matapeake	85	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.00
		Thickest layer	0.00	Bottom layer	0.09
Bertie	3	Not Rated		Not Rated	
Mattapex	3	Not Rated		Not Rated	
Othello	3	Not Rated		Not Rated	
Sassafras	3	Not Rated		Not Rated	
Woodstown	3	Not Rated		Not Rated	
MaB2:					
Matapeake	85	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.00
		Thickest layer	0.00	Bottom layer	0.09
Bertie	3	Not Rated		Not Rated	
Mattapex	3	Not Rated		Not Rated	
Othello	3	Not Rated		Not Rated	
Sassafras	3	Not Rated		Not Rated	

Table ENG-1. - Construction Materials - Continued

Northumberland and Lancaster Counties, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Gravel		Potential Source of Sand	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
MaB2:					
Woodstown	3	Not Rated		Not Rated	
MaC2:					
Matapeake	85	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.00
		Thickest layer	0.00	Bottom layer	0.09
Bertie	3	Not Rated		Not Rated	
Mattapex	3	Not Rated		Not Rated	
Othello	3	Not Rated		Not Rated	
Sassafras	3	Not Rated		Not Rated	
Woodstown	3	Not Rated		Not Rated	
MaD2:					
Matapeake	85	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.00
		Thickest layer	0.00	Bottom layer	0.09
Bertie	3	Not Rated		Not Rated	
Mattapex	3	Not Rated		Not Rated	
Othello	3	Not Rated		Not Rated	
Sassafras	3	Not Rated		Not Rated	
Woodstown	3	Not Rated		Not Rated	
Mt:					
Mattapex	85	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.00
		Thickest layer	0.00	Bottom layer	0.16
Bertie	3	Not Rated		Not Rated	
Dragston	3	Not Rated		Not Rated	
Matapeake	3	Not Rated		Not Rated	
Othello	3	Not Rated		Not Rated	
Woodstown	3	Not Rated		Not Rated	
Mx:					

Table ENG-1. - Construction Materials - Continued

Northumberland and Lancaster Counties, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Gravel		Potential Source of Sand	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
Mx:					
Mixed alluvial land	80	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Ot:					
Othello	85	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.00
		Thickest layer	0.00	Bottom layer	0.98
Elkton	3	Not Rated		Not Rated	
Fallsington	3	Not Rated		Not Rated	
Mattapex	3	Not Rated		Not Rated	
Bertie	2	Not Rated		Not Rated	
Dragston	2	Not Rated		Not Rated	
Matapeake	2	Not Rated		Not Rated	
RtB:					
Rumford	85	Poor		Good	
		Bottom layer	0.00	Thickest layer	0.12
		Thickest layer	0.00		
Kempsville	8	Not Rated		Not Rated	
Sassafras	7	Not Rated		Not Rated	
RuB:					
Rumford	85	Poor		Good	
		Bottom layer	0.00	Thickest layer	0.10
		Thickest layer	0.00		
Kempsville	8	Not Rated		Not Rated	
Sassafras	7	Not Rated		Not Rated	
RuC2:					
Rumford	85	Poor		Good	
		Bottom layer	0.00	Thickest layer	0.10
		Thickest layer	0.00		
Kempsville	8	Not Rated		Not Rated	
Sassafras	7	Not Rated		Not Rated	

SaA:

Table ENG-1. - Construction Materials - Continued

Northumberland and Lancaster Counties, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Gravel		Potential Source of Sand	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
SaA:					
Sassafras	85	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.05
		Thickest layer	0.00	Bottom layer	0.25
Woodstown	8	Not Rated		Not Rated	
Kempsville	7	Not Rated		Not Rated	
SaB:					
Sassafras	85	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.05
		Thickest layer	0.00	Bottom layer	0.25
Woodstown	8	Not Rated		Not Rated	
Kempsville	7	Not Rated		Not Rated	
SaB2:					
Sassafras	85	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.05
		Thickest layer	0.00	Bottom layer	0.25
Woodstown	8	Not Rated		Not Rated	
Kempsville	7	Not Rated		Not Rated	
SaC2:					
Sassafras	85	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.05
		Thickest layer	0.00	Bottom layer	0.25
Woodstown	8	Not Rated		Not Rated	
Kempsville	7	Not Rated		Not Rated	
SaC3:					
Sassafras	85	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.05
		Thickest layer	0.00	Bottom layer	0.25
Woodstown	8	Not Rated		Not Rated	
Kempsville	7	Not Rated		Not Rated	
SaD2:					
Sassafras	85	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.05
		Thickest layer	0.00	Bottom layer	0.25
Woodstown	8	Not Rated		Not Rated	

Table ENG-1. - Construction Materials - Continued

Northumberland and Lancaster Counties, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Gravel		Potential Source of Sand	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
SaD2:					
Kempsville	7	Not Rated		Not Rated	
SaD3:					
Sassafras	85	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.05
		Thickest layer	0.00	Bottom layer	0.25
Woodstown	8	Not Rated		Not Rated	
Kempsville	7	Not Rated		Not Rated	
SfA:					
Sassafras	85	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.10
		Thickest layer	0.00	Bottom layer	0.25
Woodstown	8	Not Rated		Not Rated	
Kempsville	7	Not Rated		Not Rated	
SfB:					
Sassafras	85	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.10
		Thickest layer	0.00	Bottom layer	0.25
Woodstown	8	Not Rated		Not Rated	
Kempsville	7	Not Rated		Not Rated	
SsD:					
Sloping sandy land	90	Poor		Fair	
		Bottom layer	0.00	Bottom layer	0.99
		Thickest layer	0.00	Thickest layer	0.99
StE:					
Steep sandy land	90	Poor		Fair	
		Bottom layer	0.00	Bottom layer	0.99
		Thickest layer	0.00	Thickest layer	0.99
Th:					
Tidal marsh, high	90	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.08
		Thickest layer	0.00	Bottom layer	0.09
To:					
Tidal marsh, low	90	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00

W:

Table ENG-1. - Construction Materials - Continued

Northumberland and Lancaster Counties, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Gravel		Potential Source of Sand	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
W:					
Water	100	Not Rated		Not Rated	
Wo:					
Woodstown	85	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.05
		Thickest layer	0.00	Bottom layer	0.39
Bertie	3	Not Rated		Not Rated	
Dragston	3	Not Rated		Not Rated	
Fallsington	3	Not Rated		Not Rated	
Mattapex	3	Not Rated		Not Rated	
Sassafras	3	Not Rated		Not Rated	